

Date: Thu, 24 Mar 94 04:30:19 PST  
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>  
Errors-To: Ham-Ant-Errors@UCSD.Edu  
Reply-To: Ham-Ant@UCSD.Edu  
Precedence: Bulk  
Subject: Ham-Ant Digest V94 #78  
To: Ham-Ant

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Today's Topics:

    Comments or Experience with Butternut "bowtie" beam?  
    Thick Ethernet as Transmission Line?

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>  
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: 24 Mar 1994 01:08:46 GMT  
From: ihnp4.ucsd.edu!swrinde!gatech!howland.reston.ans.net!wupost!crcnis1.unl.edu!  
unlinfo.unl.edu!gbrown@network.ucsd.edu  
Subject: Comments or Experience with Butternut "bowtie" beam?  
To: ham-ant@ucsd.edu

megabyte@chinet.chinet.com (Dr. Megabyte) writes:

>I have just discovered that the Butternut "Bowtie" beam antenna for 20-10  
>meters meets the C&CR's and homeowner's assoc. rules for my subdivision if  
>place on a mast that exceeds the peak of my roof by no more than 5 feet.

>So, is it a good antenna? Anyone have any working experience? Every any  
>compliants from neighbors? How "out of place" will it look where they  
>allow TV antennas, (Which is what the rules are ment to allow). What type  
>of rotator does it need?

I used the butternut for several years, mounted as you describe, just  
above the roof. The antenna is a bit pricey, but is a very good  
compromise if you have antenna restrictions. It does NOT perform  
equal to a standard three el yagi, but id does exhibit reasonable gain

and some front to back. Overall, it worked very well for me.

Advantages:

- Covers 10-12-15-17-20 meters
- Small size
- Can be turned with a TV rotor

Disadvantages:

- Compromise gain
- Tricky to tune. Make measurements carefully!

It was only commented on once by passersby...the mailman (an "ex" ham, asked me if it was some kind of wierd TV antenna(!)

Worked about 200 countries in 3 years with it, and, since I had never experienced a tall tower with yagis, I was more than pleased. But again, it is NOT equal to a yagi, quad, etc., but it will beat the socks off dipoles and (usually) verticals.

If you've got more questions, feel free to email direct to:

Greg Brown WB0RTK  
gbrown@unlinfo.unl.edu  
WB0RTK@K0KKV.SENE.NE.USA.NA

Good Luck!

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Date: Thu, 24 Mar 1994 00:09:46 GMT  
From: ihnp4.ucsd.edu!pacbell.com!unet!loren!larson@network.ucsd.edu  
Subject: Thick Ethernet as Transmission Line?  
To: ham-ant@ucsd.edu

[ Omitting much discussion of the losses of thick ethernet for VHF/UHF. ]

A couple of years ago, I measured some of the yellow stuff on a 1000 foot roll (N connectors on each end, no holes punched). I compared the results with predictions from the Belden catalog, and found that the ethernet seemed to be better than the catalog would have predicted.

It wasn't up to 9913 specs, but it was pretty good.

If someone wants to give me some, they should drop me a note -- I considered it quite good enough to use, though I might worry about the long term effects of sunlight on the yellow or orange jacket.

Alan

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End of Ham-Ant Digest V94 #78

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